TLE NOTATIONS Entered in MID File Checked by Chief ocations of Pinned Approval Letter Card Indexed Disapproval Letter COMPLETION DATA: Date Well Completed ... Location Inspected )w.... ww.... TA.... Bond released State or Fee Land .... GM.... OS.... PA.... Driller's Log..... Liectric Logs (No.) ...... E. .... F. .... Dual I lat .... GR-N.... Micro... BHC Sonic Ck..... Lat. ... Mi-I.... Sonic..... CBLog..... CCLog.... Others....

#### SUBMIT IN TRIPLICATE\*

(Other instructions on

DEPARTMENT OF NATURA DIVISION OF OIL & GAS	_ ····		5. LEASE DESIGNATION Fee	AND SERIAL NO.
APPLICATION FOR PERMIT TO DRILL	L, DEEPEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
DRILL DEEPE	N 🗆 PLUG BA	CK 🗆	7. UNIT AGREEMENT N	AMB
b. TYPE OF WELL OIL GAS WELL WELL OTHER  2. NAME OF OPERATOR	SINGLE MULTI ZONE ZONE	PLE	8. FARM OR LEASE NAM Brotherson	
HUSKY OIL COMPANY OF DELAWARE  3. ADDRESS OF OPERATOR			9. WELL NO. 1-34	
P.O. BOX 380, CODY, WYOMING 8241 4. LOCATION OF WELL (Report location clearly and in accordance At surface			10. FIELD AND POOL, 0 Altamont	R WILDCAT
1001' FEL & 1152' FNL, Sec. 34, T At proposed prod. zone same	2 <b>5, R4W</b>	<u> </u>	11. SEC., T., B., M., OR E AND SURVEY OR AR 34, T2S, R	EA
14. distance in miles and direction from Nearest town or 9 miles N. of Duchesne, Utah	POST OFFICE*		12. COUNTY OR PARISH Duchesne	13. STATE Utah
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. line, if any)	16. NO. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 12,200		RY OR CABLE TOOLS	
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  6253 Gr - Ungraded			22. APPROX. DATE WOT 4-20-74	

PROPOSED CASING AND CEMENTING PROGRAM

SETTING DEPTH

5000

10100

12200

300

QUANTITY OF CEMENT

350 sax

450 sax

450 sax

175 sax

WEIGHT PER FOOT

48#

40#

26#

THE STATE OF UTAH

Blowout preventers:

SIZE OF HOLE

17-1/2"

12-1/4"

8-3/4"

6-1/8"

12" 3000# WP

10" 5000# WP

900 Series Hydrill

Rotating Head will also be installed.

SIZE OF CASING

13-3/8"

9-5/8"

5" liner

7"

Drill and complete 12,200 foot Wasatch well.

Set new casing as indicated above, casing head 3000# WP,

casing spool 12"-3000# WP X 10-5000# WP.

Low water loss mud with non-dispensed system from 10,400' to T.D.

Run electric log and complete as indicated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout

signed If Himmest	H. H. EARNEST DISTRICT PRODUCT	CION SUPERINTENDENT	4-1-74
(This space for Federal or State office use) PERMIT NO. 113 (13 30 319	APPROVAL DATE		
APPROVED BY	TITLE	DATE	

X = SECTION CORNERS LOCATED

#### PROJECT

#### HUSKY OIL CO.

WELL LOCATION /-3484 AS SHOWN IN THE NE!/4 NE!/4 SECTION 34, T2S, R4W, U.S.B.&M., DUCHESNE COUNTY, UTAH.



#### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION Nº 3154

STATE OF UTAH

# UINTAH ENGINEERING & LAND SURVEYING P.O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078

SCALE 1"= 1000	MARCH 27, 1974
PARTY GS HM TL	REFERENCES GLO PLAT
WEATHER COLD	FILE HUSKY OIL CO.

APPROVED BY ....

CONDITIONS OF APPROVAL, IF ANY:

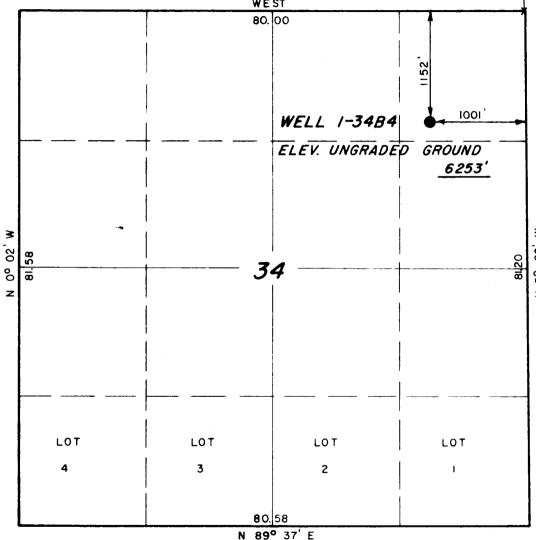
#### SUBMIT IN TRIPLICATE\*

(Other instructions on

		THE	STATE OF U	JTAH	(+	Other inst revers	truction e side)	no en		
			OF NATURAL	-				1	5. LEASE DESIGNATION	N AND SÉRIAL NO.
	DIVIS	SION OF O.	IL & GAS CO	)NSERVATI	ON				Fee	
A PPI ICAT	ION FOR	PERMIT	TO DRILL,	DEEPEN	OR	PLUG	RΔ	CK	6. IF INDIAN, ALLOTT	SE OR TRIBE NAME
1a. TYPE OF WORK	1011 1011	I CINIVIII	O DRILL,	DELI LIT,	<u> </u>	1 200	יאט			
1a. TIPE OF WORK	DRILL 🔼		DEEPEN		P	LUG B	ACK		7. UNIT AGREEMENT	NAME
b. TYPE OF WELL	GAS			SINGLE			TIPLE		8. FARM OR LEASE N.	AME
2. NAME OF OPERATO	WELL L	OTHER		ZONE		ZONE	E	<u></u>	Brothers	
HUSKY	OIL COMPA	NY OF DEI	AWARE					ĺ	9. WELL NO.	
3. ADDRESS OF OPER									1-34	
P.O. B	ox 380, c	ODY, WYON	ING 82414						10. FIELD AND POOL,	OR WILDCAT
4. LOCATION OF WELL	L (Report local	tion clearly and	l in accordance w	ith any State	require	ments.*)			Altamont	- In the second
1001' F	EL & 1152	' FNL, Se	ec. 34, T25	R4W					11. SEC., T., R., M., OR AND SURVEY OR	BLK. Area
At proposed proc		•	•	•					34, T2S,	DAU.
8 ame	LES AND DIRECT	TION FROM NEA	REST TOWN OR PO	ST OFFICE*			•		12. COUNTY OR PARIS	
	N. of Du								Duchesne	Utah
15. DISTANCE FROM	PROPOSED*	,		16. No. OF	ACRES	IN LEASE	11		F ACRES ASSIGNED	
LOCATION TO NE PROPERTY OR LEAS (Also to neares)	SE LINE, FT.	17)			640	i		TO TE	HIS WELL	
18. DISTANCE FROM TO NEAREST WE	PROPOSED LOCA	TION*		19. PROPOSE	D DEPT		20	O. ROTAI	RY OR CABLE TOOLS	
OR APPLIED FOR, C				12,	200			Rot	ary	
21. ELEVATIONS (Sho	w whether DF,	RT, GR, etc.)							22. APPROX. DATE W	
	Gr - Ung	raded					_		4-20-7	'4
23.		]	PROPOSED CASI	ING AND CE	MENTI	NG PROG	GRAM			
SIZE OF HOLE	SIZE	OF CASING	WEIGHT PER	FOOT	SETTIN	G D <b>ЕРТН</b>			QUANTITY OF CEMI	ENT
17-1/2"		-3/8"	48#		3	00			350 sax	
12-1/4"		<del>-</del> 5/8"	40#		50	00			450 sax	
8-3/4"		11	26#		101	_			450 sax	
6-1/8"	' 5	" liner	•	•	122	00			175 sax	
Drill and c Set new cas casing sp Low water 1 Run electri  IN ABOVE SPACE DES zone. If proposal i preventer program,	# WP # WP es Hydril Head wil omplete l ing as in ool 12"-3 oss mud w c log and  CRIBE PROPOSED s to drill or de	1 also be 2,200 foodicated a 000# WP x ith non-c complete	above, casi 10-5000# lispensed s as indica proposal is to dec	well.  ng head  WP.  system fr  ted.  epen or plug b  at data on sub	om 1 ack, giv	0,400 ve data or	n presei	nt prodi	uctive zone and propos I and true vertical dep	<del>-</del>
SIGNED The	I, Ean	unt	TI	H. H. E DISTRIC			LON S	SUPER	INTENDENT 4	-1-74
(This space for	Federal or Star	te office use)								
PERMIT NO.				APPR	OVAL DA	ATE				

DATE \_\_\_\_

TITLE \_\_\_



X = SECTION CORNERS LOCATED

#### PROJECT

#### HUSKY OIL CO.

WELL LOCATION /-3484 AS SHOWN IN THE NE I/4 NE I/4 SECTION 34, T2S, R4W, U.S.B.&M., DUCHESNE COUNTY, UTAH.



#### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF;

REGISTERED LAND SURVEYOR
REGISTRATION № 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE ."	DATF
1"= 1000	MARCH 27, 1974
PARTY	REFERENCES
GS HM TL	GLO PLAT
WEATHER	FILE
COLD	HUSKY OIL CO.

#### April 3, 1974

Husky Oil Company Box 380 Cody, Wyoming 32414

> Re: Well No. Brotherson #1-34 Sec. 34, T. 2 S, R. 4 W, Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 139-3/139-4.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer HOME: 277-2890 OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API Number assigned to this well is 43-013-30309.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT DIRECTOR

CBF:sd

Form OGCC-3

#### STATE OF UTAH

#### SUBMIT IN DUPLICATE\*

(See c	ther	in-

OIL & GAS CONSERVATION COMMISSION

5. LEASE DESIGNATION AND SERIAL NO.

									1 -	1.5		
WELL CO	MPLETI	ON O	R RECO	MPLE	TION	REPORT	AN	D LOG*	6. 11	INDIAN	N, ALLO	OTTEE OR TRIBE NAM
ia. TYPE OF WEL			GAS WELL	7	DRY [	Other			-	NIT AGR	EEMEN	T NAME
b. TYPE OF COM					D	other	,					
NEW X	WORK OVER	EN EN	PLUG BACK	n D	IFF. ESVR.	Other				ARM OR		
2. NAME OF OPERAT										ROTH		N
		OMPANY	OF DELA	AWARE						ELL NO.		
3. ADDRESS OF OPE		00 00	1737 1737 <b>(1</b> )	(TMO	02717				1	<del>-</del> 34	VP. POO	L, OR WILDCAT
4. LOCATION OF WE		•	DY, WYON			u State requir	om on t	· a \ *		LTAM		WASATCH
	-		.52' FNL			-	ement	<b>6</b> ) ·	1			OR BLOCK AND SURVE
				, 500	J.,	,				OR AREA		
At top prod. int	ervai report	ted perow	same						3	4-T28	S-R4	W
At total depth			same									
				14.	PERMIT NO.	1	DATE	ISSUED		COUNTY PARISH	OR	13. STATE
15. DATE SPUDDED	1 10						·····			chesi		Utah
6-5-74	7-17		IED 17. DAT	9-2-		o prod.) 18		ATIONS (DF, REB.	, RT, GR,	ETC.)*	19.	ELEV. CASINGHEAD
20. TOTAL DEPTH, MD			CK T.D., MD &			TIPLE COMPL.		23, INTERVALS	ROT	ARY TOO	LS.	CABLE TOOLS
12,200		12,15		1.0	How M		'	DRILLED BY				
24. PRODUCING INTER	RVAL(S), OF			, BOTTO	M, NAME (N	1D AND TVD)*		<del></del>	1 40.1		2	5. WAS DIRECTIONAL
10,261 to 1												survey made No
,	_,											
26. TYPE ELECTRIC A	ND OTHER I	LOGS RUN								1	27. W	VAS WELL CORED
FDC-GR., BH	CS-GR.,	CNL,	DILL									No
28.						ort all strings	set in					
CASING SIZE		LB./FT.	DEPTH SE			LE SIZE		CEMENTING				AMOUNT PULLED
13-3/8"	48# J-	-55		298	<b>I</b>	1//		sx "G" 2				000 11011
9 <b>-</b> 5/8"	43.5#	-80 P <b>-</b> 11	<u>-</u>	,280' ,100'		-1/4 -1/2		sx 65-35 sx Lite				200 sx "G"
	207 N	-00 L-TT	10	, 100	_ : !	-1/2 -1/8''	100	SX LILE	WL. Z	UUSX	<u> </u>	
29.	1	LIN	ER RECORD			-1/0	<del></del>	30.	TUBIN	G RECO	ORD	
SIZE	TOP (MD)	вот	TOM (MD)	SACKS	CEMENT*	SCREEN (MI	)	SIZE		SET (M		PACKER SET (MD)
5"	9754	12	2,200	275	''G''		-	2-7/8	973	0		9730
										·		
31. PERFORATION REG						32.	ACI	D, SHOT, FRAC	TURE, (	EMEN'	r squ	EEZE, ETC.
11,118-123;	•	•	-	•		DEPTH INT						MATERIAL USED
10,699-704;		-	-	-		5000 ga			0,261	<del>-</del> 11,9	941	
10,500-504;						Benzoio	c ac	<u>id flakes</u>				
10,344-354;			,	,								
33.*					PROD	UCTION					<del></del>	·
DATE FIRST PRODUCT	ION	PRODUCTIO	N METHOD (F	lowing,	gas lift, pu	mping—size	ind ty	pe of pump)		WELL	STATU	s (Producing or
9-2-74		Flow	ing							8nu	Pro	ducing
DATE OF TEST	HOURS TE	STED	CHOKE SIZE		O'N. FOR	OIL—BÉL.	,	GAS-MCF.	WAT	ER-BBL		GAS-OIL RATIO
9-2-74	24	<u> </u>	22/64"		<del>&gt;</del>	206		210		83		1019
FLOW. TUBING PRESS.	CASING PR	ESSURE	CALCULATED 24-HOUR RATE	C   OIL-	-BBL.	GAS—I	ACF.	WATER	—ввг.		OIL G	RAVITY-API (CORR.)
600 34. disposition of g.	AS (Sold ve	ed for fuel	vented etc.									
Vented	( o , o .	ow , or , 1100,	· · · · · · · · · · · · · · · · · · ·						1	witnes		
35. LIST OF ATTACHM	MENTS	<del></del>			· ·				GI	y 1111 P	ays	
36. I hereby certify	that the for	regoing an	d attached in	formation	on is compl	ete and corre	ct as	determined from	all ava	ilable re	ecords	
1.	a - /	1				Enginee						_0_7/
SIGNED		7		_ T	ITLE	PITETITEE				DATE		-9-74

# NSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

In office the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Wentler 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State

or Federal office for specific instructions.

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

ERS	TOP	DPTH TRUE VERT. DEPTH					·					
GEOLOGIC MARKERS		MEAS. DEPTH	•••					-		:	•	
. 38.									<del></del>		 	==
TS THERROF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING PEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	DESCRIPTION, CONTENTS, ETC.		76.2 8440 1.1	Pickel by Bud Hill	3-30-931 Jan		:			•		
OSITY AND CONTEN	BOTTOM					en e		. *				
OUS ZONES: TANT ZONES OF POR TESTED, CUSHION I	TOP		8336	10035			-			·		
37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING	FORMATION		GREEN RIVER	WASATCH								

1a. TYPE OF WELL:

WELL

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

Vented

35. LIST OF ATTACHMENTS

b. TYPE OF COMPLETION:

Other

Other

OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

PLUG BACK

DEEP-

HUSKY OIL COMPANY OF DELAWARE

P. O. BOX 380, CODY, WYOMING 82414

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements).

#### SUBM

AIT.	IN	DUPLICATE*	

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

S. FARM OR LEASE NAME

10. FIELD AND POOL, OR WILDCAT

WASATCH

BROTHERSON

ALTAMONT

Glynn Mayson

DATE .

9-9-74

9. WELL NO. 1-34

		FEL & III		, sec :	34, T	25, K4W				OR AREA		OR BLOCK AND SURVE
At top prod. int	erval rep	orted below	s ame							34-T2	5-R41	W
At total depth			5 <b>A</b> D10									
				14. PE	RMIT NO.		DATE	ISSUED		12. COUNTY PARISH	OR	13. STATE
										Duches		Utah
15. DATE SPUDDED		E T.D. REACHE	D 17. DAT	E COMPL.		o prod.)   1				, GR, ETC.)*	19. F	ELEV. CASINGHEAD
6-5-74	7-	17-74		9-2-7	4	-	62	22 K.B.				
20. TOTAL DEPTH, MD	& TVD	21. PLUG, BAC	C T.D., MD &	TVD   22	, IF MUL	TIPLE COMPI	L.,	23. INTE	RVALS LED BY	ROTARY TO	)LS	CABLE TOOLS
12,200		12,150	<b>,</b>			-			<b>→</b>	A11		
24. PRODUCING INTER	RVAL(S),	OF THIS COMP	ETION-TOP	, воттом,	NAME (1	MD AND TVD)	*				25	5. WAS DIRECTIONAL SURVEY MADE
10,261 to 1	1,941	WASATCH										No
-												
26. TYPE ELECTRIC A	ND OTHE	R LOGS RUN									27. W	AS WELL CORED
FDC-GR., BE	ics -gr	., CNL, 1	)III.									No
28.			CAS	ING RECO	RD (Rep	ort all string	gs set i	n well)				
CASING SIZE	WEIG	HT, LB./FT.	DEPTH SE	T (MD)	но	LE SIZE		CEM	ENTING RI	CORD		AMOUNT PULLED
13-3/8"	48#	J <b>-</b> 55		298			36	5 sx 'Y	3" 2%	CaCL	İ	
9-5/8"	43.5	#	4	,280	12	-1/4	30	0 sx 6	-35Po	z 2% ge	1	200 sx "G"
7"	26#	N-80 P-11 (	10	,100	8	-1/2	10	0 sx L	te wt	. 200sx	"G"	
	-				6	-1/8"						
29.		LINE	R RECORD		<u> </u>			30.	TU	BING REC	ORD	
SIZE	TOP (N	1D) BOTT	OM (MD)	SACKS CE	EMENT*	SCREEN (	MD)	SIZE	DE	PTH SET (M	4D)	PACKER SET (MD)
5"	9754	12,	200	275	"G"	177		2-7/8	3	9730		9730
31. PERFORATION REC				1.6.1		32.	AC	ір, ѕнот,	FRACTU	RE, CEMEN	T SQU	EEZE, ETC.
11,941-948;	-	•	•	-		DEPTH 12	NTERVA	L (MD)	AMOU	INT AND KI	ND OF P	MATERIAL USED
11,118-123;	-		-	•		5000 g	al 1	57HCL	10,	261-11,	941	
10,699-704;	•			_		Benzo	ic a	id fl	ikes			
10,500-504;	•	•	10,430-	436;								
10,344-354;	10,2	57-261										
33.*					PRO	DUCTION						
DATE FIRST PRODUCT	ION	_		Flowing, g	as lift, p	umping—siz	e and t	ype of pum	<b>p</b> )	WELL	STATUS	s (Producing or
9-2-74		Flow	ing							)	Pro	ducing
DATE OF TEST	1		HOKE SIZE		N. FOR PERIOD	OIL—BÉL.		GAS-MC		WATER-BB	L.	GAS-OIL RATIO
9-2-74	24	1 2	22/64"	1 231		206		210	)	83		1019
FLOW. TUBING PRESS.	CASING		ALCULATED 4-HOUR RAT	OIL-	BBL.	GAS-	-MCF.		WATER	BL.	OIL G	RAVITY-API (CORR.)
34. DISPOSITION OF G	AS (Sold,	used for fuel,	vented, etc.)	1						TEST WITNE	SSED B	Y

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Engineer

# INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments abound be itsed on this form, see item 35.

Herm 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Herm 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 2 and 24: If this well is completed for separate production from more than one interval completion), so state in item 24 show the producing intervals, and name(s) (if any) for only the interval reported in item 28. Submit a separate report (page) on this form, adequately identified, and intervals, and applicable to the producing intervals.

for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Nem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Nem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING	RTANT ZONES OF POI	ROSITY AND CONTENUSED, TIME TOOL O	NTS THERROF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING PPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	38. GEOLO	GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP	a a
				A A M A	MEAS. DEPTH	TRUB VERT. DEPTH
GREEN RIVER	8336				_	
WASATCH	10035					·
					<u>-</u>	



SERVICE LABORATORY: Odessa, Texas Phone (915) 337-2356 & 563-1162 RESEARCH LABORATORY: Houston, Texas Phone (713) 431-2561 PLANT: Odessa, Texas Phone (915) 362-2353 & 563-0863



cc H. H. Em	rnaet		DATE SAMPLED		30, 1976		
сс			FIELD, LEASE, OR	***	thereon	1-34	
cc Cary L. He	iye		COUNTY	Ducheen			Utah
COMPANY Musky OL	Company Of De	Total Control of the		* *		SIATE	
	Mil Cody, Wyoman	4 4444			P		
	sry L. Maya	0.0717	DEPTH		Feet		
SERVICE ENGINEER	ay 51 8078		SUBMITTED BY	URY	L. Heys		
	GH	EMICAL ANALYS	IS (AS PARTS PE	ER MILLION)			
		Fi	eld, Lea	se, or	Well		
Chemical	Grotherson					17. 18.	T
Component							
•	134					`	
hloride (CI)	2,500.00						
on (Fe)	4,00						
otal Hardness (Ca CO <sub>3</sub> )	1,200,00						<del>                                     </del>
alcium (Ca)	280,00						<u> </u>
agnesium (Mg)	122,00					\\	<u> </u>
carbonate (HCO <sub>3</sub> )	1,013,00						
rbonate (CO <sub>3</sub> )	96.00						
ulfate (SO <sub>4</sub> )	200,00			<del>                                     </del>			-
ydrogen Sulfide (H <sub>2</sub> S)	MONE				<del></del>		-
ecific Gravity	w1,002						<del> </del>
ensity, lb./gal.				<b> </b>	<del>-  -</del>		<del> </del>
H - Beckman 🖊 Strip []	6.1			<del> </del>			
issolved Solids	2,100,00			<del> </del>	<del></del>		<b> </b>
odiam	1,603,00			-			
				<del> </del>		-	
				<del>                                     </del>			
				<del>                                     </del>		**	
						•	

37ABILITY INDEX 122° +2.11 143° +2.36 158° +2.53 176° +2.88

REPORTED BY TITLE

$\bigvee$			'			
OGCC-1 b• `	ATE OF UTAH		SUBMIT IN TRIPLICAT			
OIL & GAS CON	SERVATION CO	MATERIA	(Other instructions on verse side)	Fe- 5	. LEASE DESIGNATION	AND SERIAL NO.
OIL & GAS CON	SERVATION CO	MMISSICI	<b>1</b>	<u> </u>	FEE	
CHNDDA MO.	TICES AND REF	OPTS ON	JWELLC	6	. IF INDIAN, ALLOTTE	OR TRIBE NAME
(Do not use this form for propo Use "APPLIC						
			4	<del> </del> -7	. UNIT AGREEMENT NA	ME
OIL GAS OTHER			The all the same of			
NAME OF OPERATOR			***	8	. FARM OR LEASE NAD	(B
Husky Oil Company					Brotherson	1
. ADDRESS OF OPERATOR				8	. WELL NO.	
600 So. Cherry St.	., Denver, C	0 8022	2		1-34	
. LOCATION OF WELL (Report location See also space 17 below.)	clearly and in accordance	ce with any Sta	te requirements.*	1	O. FIELD AND POOL, O	R WILDCAT
At surface			and the second second		Altamont	
1001' FEL, 1152' H	ML, Sec 34,	T2S-R4	W gray Maria	1	Sec. 34, I	
4. PERMIT NO.	15. ELEVATIONS (Show	whether DF, RT	, GR, etc.)	—  <sub>1</sub>	2. COUNTY OR PARISH	18. STATE
		6222' K	.B.		Duchesne	Utah
Check A		ndicate Nati	ure of Notice, Report, o ausa		er Data r report of:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING V	FELL
FRACTURE TREAT	MULTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING CA	SING
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIZING		ABANDONMEN	T+
REPAIR WELL	CHANGE PLANS		(Other)		<del> </del>	
(Other) Work	over	X	(Note: Report rest Completion or Reco	ults of mpletio	multiple completion on Report and Log for	on Well m.)
<ol> <li>DESCRIBE PROPOSED OR COMPLETED OP proposed work. If well is directi nent to this work.) *</li> </ol>	ERATIONS (Clearly state onally drilled, give subs	all pertinent de surface location	etails, and give pertinent da s and measured and true ver	tes, inc	luding estimated date epths for all markers	e of starting any and zones perti-
Plan to perforate	the followi	ng addi	tional interva	ls w	vith 2 SPF	for a tot
of 486 shots: 10,	,111-10,118,	10,153	-10,159, 10,23	3-10	,241, 10,2	82-10,290
10,531-10,535, 10,						
11,141-11,149, 11,						
11,383-11,387, 11,						
11,553-11,558, 11,	,588-11,592,	11,606	-11,610, 11,65	6-11	L,661, 11,6	90-11,700
11,735-11,740, 11,	,752-11,757,	11,797	-11,801, 11,82	3-1]	L,828, 11,8	49-11,854
11,890-11,900, 11,				7-12	2,031, 12,0	45-12,049
12,052-12,056, 12,	095-12,101,	12,107	-12,114.			
No immediate plans	; to acidize	•				
		<b>₹</b> 4				
		1	CONTRACTOR OF A	× C:		

1.7

<b>1</b>		
18. I hereby certify that the oregoing is true and correct SIGNED	TITLE Division Engineer	DATE 1/24/77
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

## SUBY IN TRIPLICATE\* (C instructions on .everse side)

## CATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUR GAS AND MINING

DIVISI	ON OF OIL, GAS, AND MIN	ING	5. LEASE DESIGNATION AND SERIAL NO.
(Do not use this form for propos Use "APPLICA	ICES AND REPORTS O	N WELLS	Fee 6. IF INDIAN, ALLOTTES OR TRIBE NAME
OIL GAS OTHER		•	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR		· · · · · · · · · · · · · · · · · · ·	8. FARM OR LEASE NAME
Husky Oil Company			Brotherson
8. ADDRESS OF OPERATOR	hanah Dayana G-1	1	9. WELL NO.
4. LOCATION OF WELL (Report location of See also space 17 below.) At surface	early and in accordance with any S	.Orado 80222 tate requirements.	1–34 10. field and fool, or wildcat Altamont
			11. ENC., T., R., M., OR BLK. AND SURVEY OR AREA
14. PERMIT NO.	1.11 7.70		Sec. 34-T2S,R4W
11. 12.01.1	15. BLEVATIONS (Show whether DF, B	, , ,	Duchesne Utah
16. CL 1 A			
Спеси Др		ture of Notice, Report, or Otl	
NOTICE OF INTENT	rion to:	f#Upsasus.	T REPORT OF:
	ULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
	BANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ALTERING CASING ABANDONMENT*
	HANGE PLANS	(Other)	
(Other)		(Note: Report results of Completion or Recompleti	multiple completion on Well on Report and Log form.)
<ol> <li>Set a temporar</li> <li>Perforate the</li> </ol>	Run a Dresser-Atl ry bridge plug at Green River forma	as Spectralog and 9740'. tion from 9450 to 9221 9062 8444	CBL.
OIL, GAS, AND DATE: Jy	THE DIVISION OF MINING		
		est of the second secon	
18. I hereby certify that the foregoing is	true and correct		
SIGNED AKKES	TITLE Div	. Prod. Supt.	DATE <u>9/10/79</u>
(This space for Federal or State office	use)		
APPROVED BY	TITLE		DATE
CONDITIONS OF APPROVAL, IF AN			

## DEPARTMENT OF NATURAL RESOURCES

SUBM N TRIPLICATE\*
(Oc. instructions on reverse side)

DIV	ISION OF OIL, GAS, AND N		5. LEASE DESIGNATION AND SERIAL NO.
			Fee
SUNDRY NO (Do not use this form for pr Use "APP)	OTICES AND REPORTS opposals to drill or to deepen or plus LICATION FOR PERMIT—" for such	ON WELLS pack to a different reservoir,	6. IF INDIAN, ALLOTTES OR TRIBE NAME
OIL GAB WELL XX OTHE			7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	•		8. FARM OR LEASE NAME
Husky Oil Com	pany		Brotherson
8. ADDRESS OF OPERATOR			9. WELL NO.
600 So. Cherry	y St., Denver, Cole	0. 80222	1-34
4. LOCATION OF WELL (Report location See also space 17 below.) At surface	on clearly and in accordance with an	y State requirements.*	10. Fized and Fool, or wildcar Altamont
			11. SBC., T., R., M., OR BLK. AND
1001' FEL, 1152'	FNL, Sec. 34-25-	4W	ALEAN TO THANK
14. PERMIT NO.	15. ELEVATIONS (Show whether D	IF. RT. CR. etc.)	Sec. 34-2S-4W
•		,,,	
16.			
Check	Appropriate Box To Indicate 1	Nature of Notice, Report, or (	Other Data
NOTICE OF INT	IDITION TO:	នបននេត្ត	QUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE XX	ABANDON*	SHOUTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other)	
(Other)		1 Completion or Recomi	s of multiple completion on Well oletion Report and Log form.) , including estimated date of starting an eal depths for all markers and zones pert
8645-50 8660-62	2 S.P.F. 5 2 5 2 4 3		
2	5 8 ' BY THE DIVISION OF		
	, AND MINING		,
DATE: C	The second of th		
Winds	and the military the		
8. I hereby certify that the foregoing	is true and correct		
SIGNED AL. KA	TITLE D	iv. Prod. Supt.	DATE Oct. 11, 197
(This space for Federal or State o	flice use)		
APPROVED BY	ANY:	The state of the s	DATE



PR 1 0 1980 💙 STATE OF UTA

SUBMIT IN DUPLICATE\*

(See other in-	!			
structions on	5. LEASE	DESIGNATION	AND	SERIAL

	OIL	& GAS	CONSERV	ATION	СОМ	MISSION	١		se side)	5. LEASE DES	BIGNAT	ION AND SERIAL NO.
— DIVIS	<del>O NOIS</del>	<del></del>				<u> </u>				Fee 6. IF INDIAN,	ALLO	TTEE OR TRIBE NAME
WEbli, CO		MODIN (	OR RECON	APLETI	ON R	REPORT	AND	LOC	3 *			
1a. TYPE OF WEL	L:	WELL OIL	GAS WELL X	DI DI	RY .	Other			[	7. UNIT AGRE	EMEN	r name
b. TYPE OF COM	PLETION			n n.e.r								
WELL [	WORK OVER	EN DEEP-	BACK D	DIFF	ir.	Other				S. FARM OB		
2. NAME OF OPERAT		~ ~:1 ~:								Brothe		111
		Oil Co	parry							1-34		
3. ADDRESS OF OPE		o Chei	ry Street	. Den	ver. (	co 80222	2		-		D P00	L, OR WILDCAT
4. LOCATION OF WEI								r) *		Altamo	ont	
At surface	1001	FEL ar	nd 1152' E	NL	•					11. SEC., T., I	з., м.,	OR BLOCK AND SURVEY
At top prod. int	erval repo	orted below	,									_
•										Sec. 3	34-2	<b>\$-</b> 4W
At total depth				1 14 pp	RMIT NO.		DATE I	eel Fn		12. COUNTY O	DR .	13. STATE
				14. PE	RMIT NO.	1	DAIL	SSCED		Duchesne		Utah
15. DATE SPUDDED	16 DAT	E T.D. REA	CHED   17. DATE	COMPL.	Ready to	prod.)   19	PIEV.	ATIONS (D	F RKR R	r, GR, ETC.)*		ELEV. CASINGHEAD
6-5-74	7-17-			)- 2-74		10	. ELEVA	6222		, <b>du</b> , 2201)		
20. TOTAL DEPTH, MD			BACK T.D., MD & 3			TIPLE COMPL.	., 1	23. INTE	ERVALS	ROTARY TOO	LS	CABLE TOOLS
12,200'		12,	L56'		HOW M	ANY*		DRIL	LED BY	all		
24. PRODUCING INTER	RVAL(S),			BOTTOM,	NAME (M	(D AND TVD)	•				2	5. WAS DIRECTIONAL SURVEY MADE
Gre	en Ri	ver 8	502 <b>'-</b> 8780'	t								No
26. TYPE ELECTRIC	ND OTHE	R LOGS RUI	v .								27. W	VAS WELL CORED
Spe	ctral	og 700	00'-11,730	) '								No
28.						ort all string	s set in		m v m z V c . D	ECOND		1
CASING SIZE		HT, LB./FT	·		HOI	LE SIZE	265		CH 20			AMOUNT PULLED
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9 5/8" <b>7"</b>			4,280 -110 10,10		8 1					200 s		i
	20#	N-80 F-	110 10, 10		6 1		100	, 27 T	TCC W	200 52		
29.		LI	NER RECORD				<del>'</del> -	30.	T	UBING RECO	RD	<u> </u>
SIZE	TOP (M	(D) B	OTTOM (MD)	SACKS CI	MENT*	SCREEN (M	(D)	SIZE	D	EPTH SET (M	D)	PACKER SET (MD)
5"	975	4	L2,200	275	"G"			2 7/8	" 750	00 (210	jts)	8162'
31. PERFORATION REG				14 50		32.	ACI	<b>D,</b> SHOT,	, FRACTU	RE, CEMEN	r squ	EEZE, ETC.
•			52-82, 844 7, 8645-50		Q_ Q2	DEPTH IN	TERVAL	(MD)	AMO	UNT AND KIN	DOF	MATERIAL USED
8775-80,		_	, 0045 50	, 00,	0 02,	8502-9			acid	zed w/l	0,00	00 g. 15% HCL
0,70 00,	0.05	-				106 hc	oles					
									w/4"	csg. gu	n, 2	PF
33.*					PROI	OUCTION			!		·	<del></del>
DATE FIRST PRODUCT	ION	PRODUCT	TION METHOD (F	lowing, g			and ty	pe of pun	np)			s (Producing or
1-20-80		pur	nping							8ħu	t-in)	shut in
DATE OF TEST	HOURS	TESTED	CHOKE SIZE		N, FOR PERIOD	OIL—BÉL.		GAS-MC	CF.	WATER-BBL	. [	GAS-OIL RATIO
1-22-80					<del></del>	12		0		0		
FLOW. TUBING PRESS.	CASING	PRESSURE	CALCULATED 24-HOUR RATI	OIL—	BBL.	GAS	-M CF.		WATER	BBL.	OIL G	RAVITY-API (CORR.)
34. DISPOSITION OF G	AS (Sold	used for to	el vented etc							TROT WINNE	grn ~	. <u>v</u>
O. DISTORTION OF C	(2014)	wasow jor ju	,, 616.)							TEST WITNES	SED B	•
35. LIST OF ATTACH	MENTS											
36. I hereby certify	that the	foregoing	and attached in	formation	is comp	lete and corr	rect as	determine	ed from a	ll available r	ecords	
$\bigcap_{z}$ .		1.	, ·			-		2): i				
SIGNED (	سس	Harr	<u>ziciil</u>	TI	TLE <u> </u>	EXPINCETO	MC	Acci		DATE	M	<u> Iarch 28, 198</u>



October 25, 1983

Fuel Exploration, Inc. 1860 Lincoln Street Denver, CO 80295

Re: Water Well

NE<sup>1</sup>4 Section 34-T2S-R4W Duchesne County, Utah

#### Gentlemen:

Please be advised that Husky Oil Company, in conjunction with the sale of its interest in the above described land, transfers all of its rights to the water well in said land to Fuel Exploration, Inc. Fuel Exploration, Inc. by acceptance of this letter, assumes all rights and obligations for said well and holds Husky harmless and indemnifies Husky from any and all loss or damage occasioned by Fuel Exploration, Inc. by reason of Fuelex's failure to perform such obligations in part or whole.

Yours very truly,

Gay R. Campbell

Division Land Manager

Agreed to and accepted this 26th day of October, 1983.

FUEL EXPLORATION. INC.

D.

BundCK.

## DEPARTMENT OF NATURAL RESOURCES

SUB (C. TRIPLICATE\* (C. Tr. Tructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  OIL WELL WELL OTHER  7. UNIT AGE WELL WELL OTHER  8. FARM OF WELL Company  8. FARM OF HUSKY O'11 Company  8. FARM OF 6060 S. Willow Drive, Englewood, CO 80111  6. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  A LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  1001' FELL & 1152' FNL  16. FERMIT NO.  16. SLEVATIONS (Show whether DF. RT. GR. etc.)  17. UNIT AGE WELL WELL  18. FERMIT NO.  18. SLEVATIONS (Show whether DF. RT. GR. etc.)  19. OUTCR OF INTENTION TO:  TEST WATER SHUT-OFF FRACTURE TREAT  MULTIPLE COMPLETE  PRACTURE TREAT  MULTIPLE COMPLETE  PRACTURE TREATMENT  A. OTHER  1. SUBSEQUENT REPORT OF PRACTURE TREATMENT  A. A. OTHER  4. See S. D. S. C.	
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Alta 11001' FEL & 1152' FNL  11. SEC.  12. COUNTY Sec.  12. COUNTY OCCUPY OCCUP	
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Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  TEST WATER SEUT-OFF PRACTURE TREAT SMOOT OR ACIDIZE REPAIR WELL (Other) Change of Operators  DESCRIBE THURNERS OR COMMETTED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including early near to this work.)*  Effective immediately the operator of this well and all of Section 34 is from Husky Oil Company to Fuel Exploration, Inc. Fuel Exploration, Inc. located at 1860 Lincoln Street, Suite 1200, Denver, CO 80295.	BY OR ARBA
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICES OF INTENTION TO:  TEST WATER SHUT-OFF FULL OR ALTER CASING MULTIPLE COMPLETE SMOOT OR ACIDIZE GOARD PLANS  (Other) Change of Operator  DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all Devilnent deralls, and give pertinent deralls and measured and true vertical depths for innent to this work.) Well is directionally drilled, give subsurface locations and measured and true vertical depths for innent to this work.)  Effective immediately the operator of this well and all of Section 34 is from Husky Oil Company to Fuel Exploration, Inc. Fuel Exploration, Inc. located at 1860 Lincoln Street, Suite 1200, Denver, CO 80295.	34. T2S, R4W
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SIGNED Say & Campbell TITLE Ottorney - On - Jact DATE	11-14-83
(This space for Federal or State office use)	
APPROVED BY DATE	

### RECEIVED



1200 LINCOLN TOWER 1860 LINCOLN STREET DENVER, COLORADO 80295 (303) 892-6563 SEP 2 0 1984

DIVISION OF OIL GAS & MINING

September 18, 1984

Norm Stout Division Oil, Gas & Mining State of Utah Natural Resources 4241 State Office Building Salt Lake City, UT 84114

Gentlemen:

I am enclosing copies of the following documents in relation to the #1-34B4 Brotherson well:

Quit Claim from Husky Oil Company to Fuel Exploration, Inc.

Plat of Brotherson 1-34B4 Well Site

Sundry Notice - Change of Operator

In light of the fact that in the Quit Claim document the Brotherson 1-34B4 is shown to be a water well, is it necessary to file production reports for the period requested in your recent letter?

Yours truly,

FUEL EXPLORATION, INC.

JKB/ar

Enclosures

Jøyce'K. Barger Operations Manager

THAT, for an \_n consideration of the so of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, HUSKY OIL COMPANY, a Delaware corporation, 606Q South Willow Drive, Englewood, Colorado 80111, grantor, hereby sells, assigns, conveys and QUIT CLAIMS to FUEL EXPLORATION, INC., a Colorado corporation, 1860 Lincoln Street, Suite 1200, Denver, Colorado 80295, grantee, its successors and assigns, all of grantor's right, title and interest in and to the following described water well and water right, located in the County of Duchesne, State of Utah, to-wit:

That water well located in NE%NE% of Section 34, Township 2 South, Range 4 West, USM, being that same water well as described on the original application #42260 and being more particularly described as water right #43-7325.

Together with the rights incident thereto, and the personal property thereon, appurtenant thereto, or used or obtained in connection therewith.

IN WITNESS WHEREOF, this instrument is executed this 16th day of November, 1983.

Walle and Manney Comments of the Comments of t

Assistant Secretary

San

HUSKY OIL COMPANY

C. A. Rystrem Vice President

STATE OF COLORADO ۱ss. COUNTY OF ARAPAHOE )

The foregoing instrument was acknowledged before me this 16th day of November, 1983, by C. A. Rystrom, Vice President of Husky Oil Company, a Delaware corporation.

Witness my hand and official seal.

My commission expires: 7/28/86

Notary Public

Address:

6060 S. Willow Drive Englewood, CO 80111

ENTRY NO 235072 DATE //-17-83 TT 5 9: 57 AM. FOOK A-107 PAGE 5/4 . Ful Expension Ins FI \$ 500 Markow WBurdich all Rons 1840 Kumen St. Leenne valo 80235

From: John Baza

To: BKRUEGER, JTHOMPSO

**Date:** 7/2/98 2:34pm

Subject: Brotherson 1-34B4 well plugging

Today I was trying to make some corrections to the plugging procedure for the referenced project and I discovered something which I felt seriously jeopardized the contract. The bottom line is that I called Johansen Construction Co. and told them to hold off of the plugging project for as much as two weeks until we can get the problem ironed out.

Let's discuss this first thing Monday morning and I can give you guys  $\ensuremath{\mathsf{my}}$  thoughts about the project.

CC: GHUNT

BID#: GM8084

RX#: 560 8200000014

**AGENCY: NATURAL RESOURCES** 

**DUE DATE: 4/21/98** 

**AGENT: GLENDON MITCHELL** 

ITEM: PLUGGING AND ABANDONMENT AND SITE RECLAMATION OF THE BROTHERSON WELL

BIDDERS	TOTAL	TERMS	DELIVERY
GEORGE W. JOHANSEN	\$ 55,650.00	30	
E.T. TECHNOLOGIES INC	\$ 72,500.00	NET 30	AS REQUESTED

#### NO BID:

AWS REMEDIATION INC
BJ SERVICES
BURDICK PAVING
EARTHCORE, INC.
FRANSON NOBLE & ASSOC. INC
HAYWARD BAKER INC.
HIMES DRILLING COMPANY, INC.
LAYNE CHRISTENSEN COMPANY
PROFESSIONAL SVC INDUSTRIES
QUALITY REMEDIATION SERVICES
TONTO DRILLING SERVICES, INC.

REFERRED TO AGENCY:	4/22/98	
AWARDED TO: FEORGE	W. To House	DATE: 4-29-98

#### Procedures for Plugging and Abandonment of the Brotherson 1-34B4 well Duchesne County, Utah

- 1. The division shall be notified 24 hours prior to beginning any work.
- 2. The contract for this project will include the following work:
  - 1) Plugging and abandonment of the well. See attached wellbore diagram and plugging procedure.
  - 2) Setting a monument consisting of a portion of pipe not less than four inches in diameter and not less than ten feet in length, of which four feet shall be above the ground level and the remainder shall be securely embedded in cement. The top of the pipe must be permanently sealed. The monument shall show the well number, section, township and range.
  - 3) Reclamation of the location using available topsoil stock piled on the location. See attached reclamation procedures.

#### PA PROCEDURE

API #:

43-013-30309

Location:

Sec. 34, T. 2S, R. 4W

County:

Duchesne

State:

Utah

Field:

Altamont

Operator:

Fuel Exploration

Well:

Brotherson 1-34B4

- 1. MI & Rig up Workover Unit Nipple up BOPE.
- 2. Check Tubing If tubing in hole, circulate & clean up well.

  Establish injection rate and pressure. If no tubing Pick up tubing. string with casing scrapper or gauge ring Trip in hole to top of packer @ 8162'.

  Circulate and clean up wellbore. Establish injection rate and pressure.
- 3. POH with tubing. Pickup and run 7" CICR and set @ 8100'. Pressure test casing to 500 psi.
- 4. Pump bottom plugs below CICR 9754'-10,154' (in 5" liner), 9654'-9754 (in 7" above liner) and 8100'-8300' (to isolate Green River Perfs.).
- 5. Sting out of CICR and leave 50' cement plug on top of retainer.
- 6. Pull tubing above plug and reverse out. WOC
- 7. Tag plug @ 8050 Pressure test plug to 500 psi. Circulate and displace hole with non-corrosive fluid per state regulations.
- 8. Laydown tubing to 4330', spot balanced plug (4780'-4330').
- 9. Laydown tubing to 350', spot balanced plug (250'-350').
- 10. Finish laying down tubing.
- 11. Cut off wellhead.
- 12. Fill all annuli and top 100' of 7" casing with cement.
- 13. Weld on dry hole marker.
- 14. RD workover unit.

#### Procedures for Reclamation of the Brotherson 1-34B4 Wellsite Duchesne County, Utah

- 1. Prior to performing any reclamation work, all iron fittings, pipe bundles, vessels, and miscellaneous items shall be removed from the location. These materials will be salvaged by the contractor.
- 2. The pit contents should be excavated and the material spread over the site. An observation of this material should be made with the objective of looking for evidence of any non-RCRA exempt waste which would constitute a different disposal and remediation procedure. If the material removed from the pit appears normal for that which would be expected to be placed in an onsite pit (I. E. primarily wastye crude & tank bottoms) the project should proceed. Pit contents should be mixed with clean soil material on location to a target concentration not to exceed 3 % total petroleum hydrocarbons (TPH). The Division shall have the opportunity to take a composite grab sample once the material is mixed and ready for final placement to verify adequate dillution of pit contents.
- 3. The tank pad material shall be leveled to match the contour of the existing location after backfilling the existing pit and contour the location with the mixture on the location.
- 4. The contract for this project will include the following work:
  - (A) Removal and spreading of pit contents
  - (B) Backfilling reserve pit
  - (C) Leveling the tank pad
  - (D) Recontouring the location
  - (E) Removal of oil field debris from location

**NOTE:** The material to be excavated is estimated to be approximately 15,000 yards.

### BROTHERSON 1-34B4 PLUGGING AND RECLAMATION PROJECT CONTRACT REQUEST FOR PROPOSALS

This addendum, applicable to work designated herein, shall be part of and included in the Contract. All revisions noted herein shall apply to all parts of the Drawings and Specifications affected by those revisions, whether or not specifically noted below.

#### Re: <u>GM8084 Project:</u>

On April 9, 1998, the division met with the contractors and the surface owner regarding the above contract. The following changes were discussed. This serves as an official clarification of changes made to the Contract Specifications.

#### 1. Flow Lines

The flowlines from the Brotherson 2-34B4 well shall be cut off at the west edge of the location and moved to the north away from the Brotherson 1-34B4 location to accomadate the necessary reclamation work on the location.

The flowlines entering the location from the north shall be cut off at the edge of the location.

#### 2. Fluids

All fluids from storage tanks, treaters, pipelines, and separators will be disposed of at an approved disposal facility. Proof of disposal shall be shown by run tickets and presented to the division with payment invoice.

#### 3. Burn Pit

The burn pit located on the south side of the location shall be backfilled and leveled.

#### 4. <u>Seeding</u>

The location shall be reseeded immediately upon completion of the site reclamation, using the following mixture:

a) Wyoming big sagebrush	0.25#'s (20% purity)
b) Basin big sage brush	0.25#'s (20% purity)
a) Foursing golthrugh	1.0#'s

c) Fourwing saltbrush 1.0#'s d) Winter fat 1.0#'s e) Forage kochia 1.0#'s

Note: The Wyoming big sagebrush, Basin big sagebrush and the Forage kochia should not be drilled and not combined in an overall seed mix with the grass species. For seed purchase, see attached list of seed vendors.

#### 5. <u>Electrical</u>

The power pole, electric line and the junction box located on the north side of the location will be removed by Moon Lake Electric Association. The division has contacted Moon lake and the work will be completed before the start of the project.

#### 6. <u>Cementing</u>

Cementing operations for the well plugging shall be done by an oil field cement company such as Haliburton, Dowell etc.

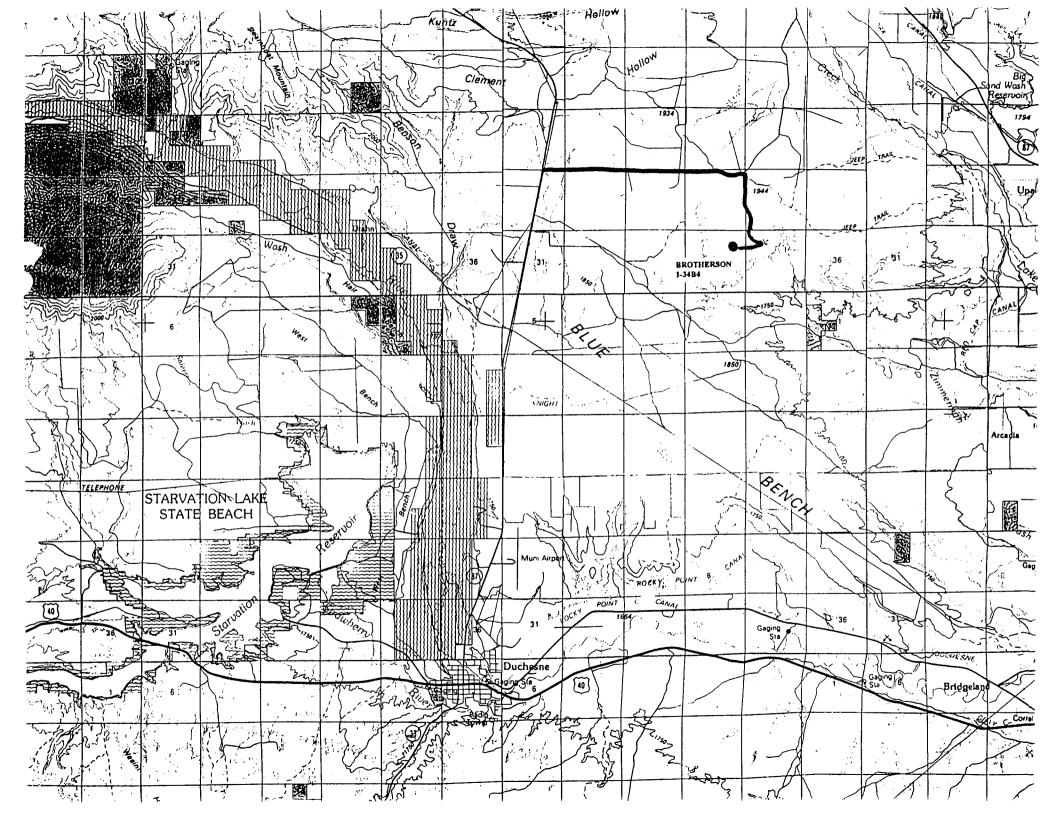
#### 7. <u>Completion of the Contract</u>

The completion date of the contract will be 45 calendar days from the start date of the work.

Lease: BROTHERSON Well #:1-3484

API #: 43-013-30309-Location: Sec 34 Twn 02S Rng 04W County: DUCHESNE State: UTAH Field: ALTAMONT Operator: FUEL EXPLORATION Spud Date: 06/05/1974 KB: 6222 TD: 12200 Comp Date: 09/02/1974 ELEV: 0 PBTD: 12156

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2 2 298.8 12.258 Hole: SURFACE HOLE 4288.8 3982.8 8.0 9.625 Casing: SURFACE CASING-43.5# 4288.8 4288.8 2488.8 Cement: 300SX 65-35POZ 2#GEL, 200SX 4288.8 1837.8 G.  7388-  7388-  8618-  8618-  8618-  8618-  8618-  8618-  8618-  8618-  7888-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-  9848-
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2 2 298.8 12.258 Hole: SURFACE HOLE 4288.8 3982.8 8.0 9.625 Casing: SURFACE CASING-43.5# 4288.8 4288.8 2488.8 Cement: 300SX 65-35POZ 2#GEL, 200SX 4288.8 1837.8 G.  7388-  7388-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-  8610-
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2 2 298.0 12.250 Hole: SURFACE HOLE 4280.0 3982.0 0 0.0 9.625 Cosing: SURFACE CASING-43.5# 4280.0 4280.0 Cement: 300SX 65-35POZ 2%GEL, 200SX 4280.0 1837.0 G.  3 7500.0 7500.0 7500.0 8162.0 7500.0 SETTING DEPTH.  4 8610-  5 8444.0 9 Perf: PERFS IN GREEN RIVER 9452.0 10.0 SETTING DEPTH.  5 9452.0 1008.0 FORMATION. 6 9730.0 7.000 Pocker: NO INFORMATION GIVEN EXCEPT 9740.0 10.0 SETTING DEPTH. 7 7 4280.0 8.500 Hole: INTERMEDIATE
2 2 298.0 12.250 Hole: SURFACE HOLE 4280.0 3982.0 0 0.0 9.625 Cosing: SURFACE CASING-43.5# 4280.0 4280.0 Cement: 300SX 65-35POZ 2%GEL, 200SX 4280.0 1837.0 G.  3 7500.0 7500.0 7500.0 8162.0 7500.0 SETTING DEPTH.  4 8610-  5 8444.0 9 Perf: PERFS IN GREEN RIVER 9452.0 10.0 SETTING DEPTH.  5 9452.0 1008.0 FORMATION. 6 9730.0 7.000 Pocker: NO INFORMATION GIVEN EXCEPT 9740.0 10.0 SETTING DEPTH. 7 7 4280.0 8.500 Hole: INTERMEDIATE
2 2 298.0 12.250 Hole: SURFACE HOLE 4280.0 3982.0 0 0.0 9.625 Cosing: SURFACE CASING-43.5# 4280.0 4280.0 Cement: 300SX 65-35POZ 2%GEL, 200SX 4280.0 1837.0 G.  3 7500.0 7500.0 7500.0 8162.0 7500.0 SETTING DEPTH.  4 8610-  5 8444.0 9 Perf: PERFS IN GREEN RIVER 9452.0 10.0 SETTING DEPTH.  5 9452.0 1008.0 FORMATION. 6 9730.0 7.000 Pocker: NO INFORMATION GIVEN EXCEPT 9740.0 10.0 SETTING DEPTH. 7 7 4280.0 8.500 Hole: INTERMEDIATE
2 2 298.0 12.250 Hole: SURFACE HOLE 4280.0 3982.0 0 0.0 9.625 Cosing: SURFACE CASING-43.5# 4280.0 4280.0 Cement: 300SX 65-35POZ 2%GEL, 200SX 4280.0 1837.0 G.  3 7500.0 7500.0 7500.0 8162.0 7500.0 SETTING DEPTH.  4 8610-  5 8444.0 9 Perf: PERFS IN GREEN RIVER 9452.0 10.0 SETTING DEPTH.  5 9452.0 1008.0 FORMATION. 6 9730.0 7.000 Pocker: NO INFORMATION GIVEN EXCEPT 9740.0 10.0 SETTING DEPTH. 7 7 4280.0 8.500 Hole: INTERMEDIATE
2 2 298.0 12.250 Hole: SURFACE HOLE 4280.0 3982.0 0 0.0 9.625 Cosing: SURFACE CASING-43.5# 4280.0 4280.0 Cement: 300SX 65-35POZ 2%GEL, 200SX 4280.0 1837.0 G.  3 7500.0 7500.0 7500.0 8162.0 7500.0 SETTING DEPTH.  4 8610-  5 8444.0 9 Perf: PERFS IN GREEN RIVER 9452.0 10.0 SETTING DEPTH.  5 9452.0 1008.0 FORMATION. 6 9730.0 7.000 Pocker: NO INFORMATION GIVEN EXCEPT 9740.0 10.0 SETTING DEPTH. 7 7 4280.0 8.500 Hole: INTERMEDIATE
4920—  2
4920—  2
### 4926—  ### 4280.0
2443.0 Cement: 300SX 65-35POZ 2%GEL, 200SX 4280.0 1837.0 G.  3 0.0 2.875 Tubing: PRODUCTION TUBING. 7500.0 7500.0 8162.0 7.000 Packer: NO INFORMATION GIVEN EXCEPT 8172.0 10.0 SETTING DEPTH.  5 5 8444.0 Perf: PERFS IN GREEN RIVER 9452.0 1008.0 FORMATION. 9730.0 7.000 Packer: NO INFORMATION GIVEN EXCEPT 9452.0 1008.0 FORMATION. 9730.0 7.000 Packer: NO INFORMATION GIVEN EXCEPT 9740.0 10.0 SETTING DEPTH.
4280.0 1837.0 G.  4280.0 1837.0 G.  3 0.0 2.875 Tubing: PRODUCTION TUBING. 7500.0 7500.0 7500.0  4 8162.0 7.000 Packer: NO INFORMATION GIVEN EXCEPT  8610—  5 5 8444.0 9 Perf: PERFS IN GREEN RIVER 9452.0 1008.0 FORMATION.  9840—  9840—  9840—  9840—  9840—  9840—  9840—  9840—  100.0 2.875 Tubing: PRODUCTION TUBING. 7 7 0.000 Packer: NO INFORMATION GIVEN EXCEPT 9740.0 10.0 SETTING DEPTH. 7 7 4280.0 8.500 Hole: INTERMEDIATE
6150—  3
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7380—  3
7380—  3
7380—  3
7380—  3
7380—  3
8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  86
8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  8610—  86
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<b>븉</b>
8436.0 Cement: 100SX LITE, 200SX G.
11070 10100.0 1664.0 Perf: PERFS IN WASATCH FORMATION
11070 8 10257.0 Perf: PERFS IN WASATCH FORMATION. 11948.0 1691.0
9 10100.0 6.125 Hole: HOLE FOR LINER
12200.0 2100.0
9754. Ø Cement: 275SX G CEMENT
8 <u>12200.0 2446.0</u>
11 11 10754 0 5 000 11 0000007101111
9 9754.0 5.000 Liner: PRODUCTION LINER, NO WT. OR 12200.0 2446.0 GRADE GIVEN.



Michael O. Leavitt-Governor

Lowell P. Braxton
Division Director

801-359-3940 (Fax)
801-538-7223 (TDD)

1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax)

July 7, 1998

George W. Johansen 1752 S. Hwy 117 P. O. Box 100 Mt. Pleasant, Ut. 84641

BY FAX TO (435) 462-3448

Brotherson 1-34B4 Plugging, Abandonment and Reclamation Project RE:

Dear Mr. Johansen:

Please be advised that you are authorized to proceed with the plugging, abandonment and site reclamation of the Brotherson 1-34B4 well site in accordance with the State of Utah Contract # 986707. We apologize for the delayed start of the project. However, questions regarding the ownership of the equipment at the location came into question and required resolution prior to your starting work. These ownership issues have been resolved and will not affect your proposal.

Please find attached a revised plugging procedure for the well. This procedure replaces the 14 step "PA Procedure" contained in the Contract Documents. Please let us know at your earliest convenience of any changes to your existing bid cost which may result from this revised procedure.

Thank you for your patience and we look forward to working with you on this project. Please contact me at (801) 538-5274 or Jimmy Thompson at (801) 538-5336 at least 24 hours prior to starting the work.

Sincerely,

Robert J. Krueger, P. E.

Petroleum Engineer

Jimmie Thompson, Reclamation Specialist cc:

Well File

## Plugging and Abandonment Procedure for the Brotherson 1-34B4 Well

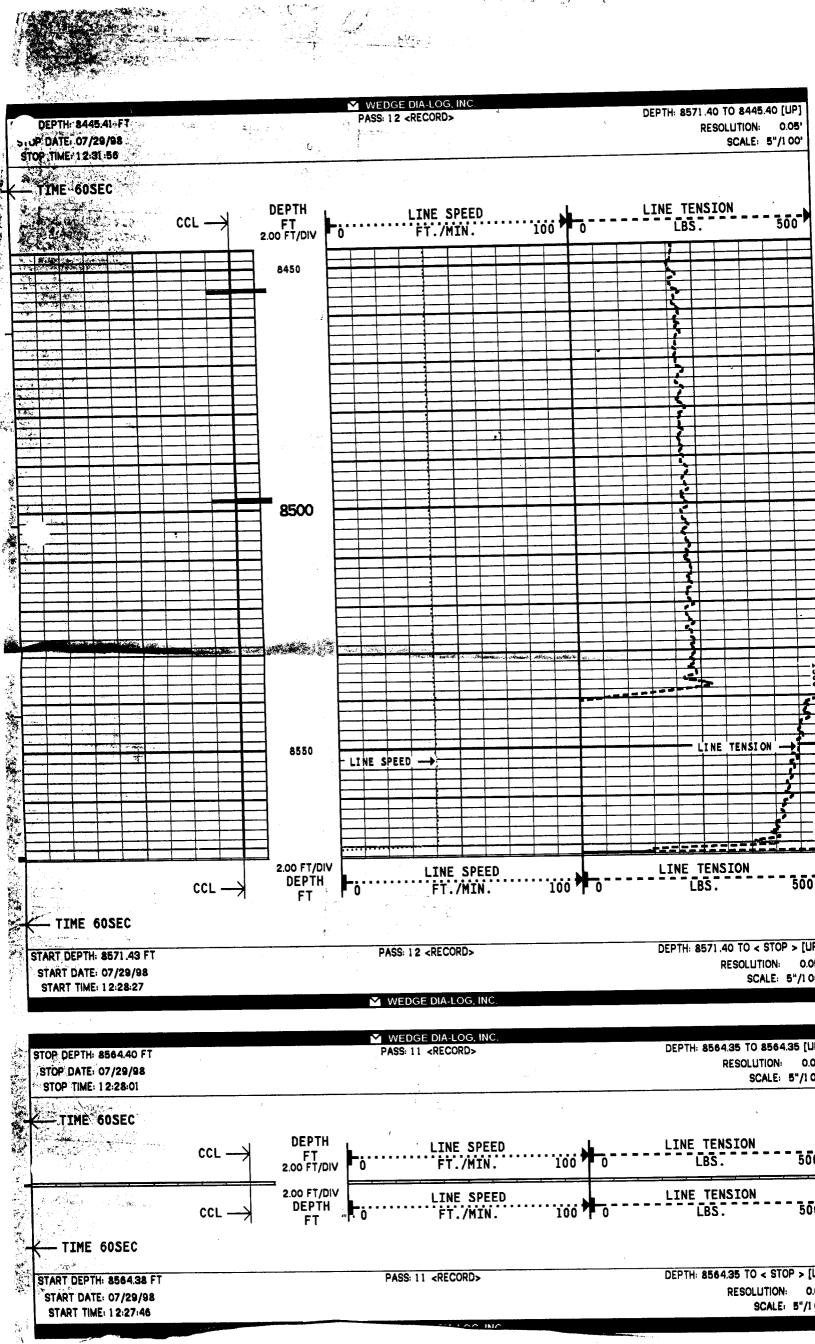
#### Well API # 43-013-30309 T2S, R4W, Duchesne County, Utah

#### Revised July 7, 1998 Utah Division of Oil, Gas and Mining

- 1. RUWSU.
- 2. POH any production equipment keeping hole loaded with lease water.
- 3. RUWL. GIH with junk basket and gauge ring to top of 5 ½ inch liner at +/- 9, 754'. POH.
- 4. GIH with 7 inch CIBP and set at +/- 9,700'. Dump bail 4 sacks API Class G cement on top of CIBP. POH.
- 5. GIH with 7 inch CIBP and set at +/- 8,450'. Dump bail 5 sacks API Class G cement on top of CIBP. POH.
- 6. Close pipe rams and pressure test casing to 1,000 psig for 15 minutes. If casing fails test: locate leak, squeeze, and retest as required to pass test.
- 7. Following adequate cement cure time, GIH with tubing to +/- 8,430 and circulate abandonment fluid (8.7 ppg brine corrosion inhibitor/oxygen scavanger/biocide) to surface. POH to +/- 4,280'
- 8. Spot 9.1 ppg bentonite "pill" followed with balanced cement plug (API Class G) from 4,200' to 4,350' (approx. 32 sks.) using centralizer and cement diverter tool on tubing. Reverse and POH.
- 9. Spot 9.1 ppg bentonite "pill" followed with cement plug (API Class G) from 0' to 50' (approx. 10 sks.). POH.
- 10. ND BOPE. RDMO WOR.
- 11. Dig out cellar. Cut off casing strings. Using 1 inch tubing, fill all casing and annuli with cement to surface.
- 12. Install dry hole marker per R649-3-24.6.

## STATE OF UTAH L.VISION OF OIL, GAS AND MIN. G RECORD OF ABANDONMENT OPERATIONS

COMPANY NAME: FUEL EPLOR INC. (FUELEX) GEORGE W. JOHANSEN (STATE CONTRACT)
WELL NAME: BROTHERSON #1-34B4
QTR/QTR: NE/NE SECTION: 34 TOWNSHIP: 2S RANGE: 4W
COUNTY: DUCHESNE API NO: 43-013-30309
INSPECTOR: DENNIS L. INGRAM TIME: 10:30 PM DATE: 7/30/98
SURFACE CASING SHOE DEPTH 4280' CASING PULLED YES NO X
CASING PULLED: SIZE N/A CUT DEPTH N/A FT/CSG RECOVERED N/A
CASING TESTED YES X NO TESTED TO: 1000 PSI TIME: 15 MIN: (LEAKED OFF LESS THAN 10 PERCENT IN 15 MINUTES)
CEMENTING COMPANY: BASIN CEMENTING (NORTH DAKOTA)
CEMENTING OPERATIONS: P&A WELL: X
PLUG 1. SET: FROM 8545 FT. TO 7944 FT. TAGGED YES NO X
SLURRY: TOTAL SLURRY 20 BBLS (18 BBLS BELOW RETAINER) 100 SXS *G* 15.6PPG
PLUG 2. SET FROM 4347 FT. TO 4190 FT. TAGGED YES NO X
SLURRY: TOTAL SLURRY WAS 6BBLS (30 SXS) *G* @ 15.6 PPG (BALANCED)
PLUG 3. SET FROM 3096 FT. TO 2992 FT. TAGGED YES NO X
SLURRY: TOTAL SLURRY WAS 4 BBLS (20 SXS) &G @ 15.6 PPG (BALANCED)
SURFACE PLUG: FROM 50 FT. TO 0 FT.
ALL ANNULUS CEMENTED TO SURFACE: YES X NO
PLUGGING FLUID TYPE: 300 BBLS OF 1 ½ PERCENT R-2383 CHAMPION ADDITIVE
PERFORATIONS: FROM 8439 FT. TO 9452 FT.
# 1 CICR SET:
ABANDONMENT MARKER: PLATE: PIPE: X CORRECT INFORMATION: X  COMMENTS: RIGGED UP AND RETRIEVED 255 JTS TUBING, (1) LOCK SET PACKER, AND
COVE TRIPLEX PUMP CAVITY, APPROXIMATELY 7976.4 FEET. RIGGED UP WEDGE DIALOG, INC. WITH GAUGE RING AND JUNK BASKET AND TRIP IN TO 8546 WITH WIRE LINE, STACK OUT ON CIBP. WE DETERMINED THAT WELL BORE DIAGRAM IN FILES WAS
CORRECT, AND THAT BRIDGE PLUGS WERE SET BY OPERATOR AT 8550' AND, THEREFORE, ANOTHER CIBP WAS PROBABLY SET AT 9700', AS INDICATEDRELEASE
WIRE LINE TRUCK. RIH WITH 7" RETAINER AND SET AT 7996, SET AND ESTABLISH
INJECTION RATE. INJECTION RATE WITH CEMENT INTO PERFS BEGAN AT 1.4 BPM AT 150 PSI AND ENDED AT .90 BPM AT 1800 PSI. PLUG #3 WAS AN ADDITIONAL PLUG
TO PROTECT MODERATE SALINE WATER ZONE. APPROXIMATELY 200 SACKS CEMENT WAS
USED TO FILL ALL ANNULI TO SURFACE (STAYED FULL). PHOTOS ATTACHED TO DOCUMENT PROGRESS OF P&A.



# STATE OF UTAH DIVISION OF OIL, GAS AND MINING RECORD OF ABANDONMENT OPERATIONS

COMPANY NAME: <u>FUEL EPLOR INC. (FUELEX) GEORGE W. JOHANSEN (STATE</u> <u>CONTRACT)</u>
WELL NAME: BROTHERSON #1-34B4
QTR/QTR: NE/NE SECTION: 34 TOWNSHIP: 2S RANGE: 4W
COUNTY: DUCHESNE API NO: 43-013-30309
INSPECTOR: DENNIS L. INGRAM TIME: 10:30 PM DATE: 7/30/98
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CASING PULLED: SIZE <u>N/A</u> CUT DEPTH <u>N/A</u> FT/CSG RECOVERED <u>N/A</u>
CASING TESTED YES X NO_ TESTED TO: 1000 PSI TIME: 15 MIN: (LEAKED OFF LESS THAN 10 PERCENT IN 15 MINUTES)
CEMENTING COMPANY: BASIN CEMENTING (NORTH DAKOTA)
CEMENTING OPERATIONS: P&A WELL: X
PLUG 1. SET: FROM 8545 FT. TO 7944 FT. TAGGED YES NO X
SLURRY: TOTAL SLURRY 20 BBLS (18 BBLS BELOW RETAINER) 100 SXS "G" 15.6PPG
PLUG 2. SET FROM 4347 FT. TO 4190 FT. TAGGED YES NO X
SLURRY: TOTAL SLURRY WAS 6BBLS (30 SXS) "G" @ 15.6 PPG (BALANCED)
PLUG 3. SET FROM 3096 FT. TO 2992 FT. TAGGED YES NO X
SLURRY: TOTAL SLURRY WAS 4 BBLS (20 SXS) "G" @ 15.6 PPG (BALANCED)
SURFACE PLUG: FROM 50 FT. TO 0 FT.
ALL ANNULUS CEMENTED TO SURFACE: YESX NO
PLUGGING FLUID TYPE: 300 BBLS OF 1 ½ PERCENT R-2383 CHAMPION

#### ADDITIVE

<b>PERFORATION</b>	S: FROM	8439	<u>FT.</u>	TO 9452	<u>FT.</u>
FROM	FT.	TO		<u>FT.</u>	
#1 CICR SET: _	7996 (BAK	<u> (ER "K</u>	-1")		
# 2 CIBP SET: _					<del></del>

ABANDONMENT MARKER: PLATE: \_\_\_ PIPE: \_X\_ CORRECT INFORMATION: X COMMENTS: RIGGED UP AND RETRIEVED 255 JTS TUBING, (1) LOCK SET PACKER, AND COVE TRIPLEX PUMP CAVITY, APPROXIMATELY 7976.4 FEET. RIGGED UP WEDGE DIA-LOG, INC. WITH GAUGE RING AND JUNK BASKET AND TRIP IN TO 8546 WITH WIRE LINE, STACK OUT ON CIBP. WE DETERMINED THAT WELL BORE DIAGRAM IN FILES WAS CORRECT, AND THAT BRIDGE PLUGS WERE SET BY OPERATOR AT 8550' AND, THEREFORE, ANOTHER CIBP WAS PROBABLY SET AT 9700', AS INDICATED--RELEASE WIRE LINE TRUCK. RIH WITH 7" RETAINER AND SET AT 7996, SET AND ESTABLISH INJECTION RATE. INJECTION RATE WITH CEMENT INTO PERFS BEGAN AT 1.4 BPM AT 1150 PSI AND ENDED AT .90 BPM AT 1800 PSI. PLUG #3 WAS AN ADDITIONAL PLUG TO PROTECT MODERATE SALINE WATER ZONE. APPROXIMATELY 200 SACKS CEMENT WAS USED TO FILL ALL ANNULI TO SURFACE (STAYED FULL). PHOTOS ATTACHED TO DOCUMENT PROGRESS OF P&A.

# STATE OF UTAH DIVISION OF OIL, GAS AND MINING RECORD OF ABANDONMENT OPERATIONS

COMPANY NAME: <u>FUEL EPLOR INC. (FUELEX) GEORGE W. JOHANSEN (STATE</u> CONTRACT)
WELL NAME: BROTHERSON #1-34B4
QTR/QTR: <u>NE/NE</u> SECTION: <u>34</u> TOWNSHIP: <u>2S</u> RANGE: <u>4W</u>
COUNTY: DUCHESNE API NO: 43-013-30309
INSPECTOR: DENNIS L. INGRAM TIME: 10:30 PM DATE: 7/30/98
SURFACE CASING SHOE DEPTH 4280' CASING PULLED YES NO X
CASING PULLED: SIZE <u>N/A</u> CUT DEPTH <u>N/A</u> FT/CSG RECOVERED <u>N/A</u>
CASING TESTED YES <u>X</u> NO_ TESTED TO: <u>1000</u> PSI TIME: <u>15</u> MIN: (LEAKED OFF LESS THAN 10 PERCENT IN 15 MINUTES)
CEMENTING COMPANY: BASIN CEMENTING (NORTH DAKOTA)
CEMENTING OPERATIONS: P&A WELL: X_
PLUG 1. SET: FROM 8545 FT. TO 7944 FT. TAGGED YES NO X
SLURRY: TOTAL SLURRY 20 BBLS (18 BBLS BELOW RETAINER) 100 SXS "G" 15.6PPG
PLUG 2. SET FROM 4347 FT. TO 4190 FT. TAGGED YES NO X
SLURRY: TOTAL SLURRY WAS 6BBLS (30 SXS) "G" @ 15.6 PPG (BALANCED)
PLUG 3. SET FROM 3096 FT. TO 2992 FT. TAGGED YES NO X
SLURRY: TOTAL SLURRY WAS 4 BBLS (20 SXS) "G" @ 15.6 PPG (BALANCED)
SURFACE PLUG: FROM 50 FT. TO 0 FT.
ALL ANNULUS CEMENTED TO SURFACE: YESX_ NO
PLUGGING FLUID TYPE: 300 BBLS OF 1 1/2 PERCENT R-2383 CHAMPION

#### **ADDITIVE**

PERFORATION	S: FROM	8439	FT.	TO 9452	FT.	
FROM	FT.	TO		<u>FT.</u>		
# 1 CICR SET:	7996 (BA	KER "K	(-1")	<del>_</del>		
# 2 CIBP SET:						

ABANDONMENT MARKER: PLATE: \_\_\_ PIPE: \_X \_\_ CORRECT INFORMATION: \_X COMMENTS: RIGGED UP AND RETRIEVED 255 JTS TUBING, (1) LOCK SET PACKER, AND \_COVE TRIPLEX PUMP CAVITY, APPROXIMATELY 7976.4 FEET. RIGGED UP WEDGE DIA-LOG, INC. WITH GAUGE RING AND JUNK BASKET AND TRIP IN TO 8546 WITH WIRE LINE, STACK OUT ON CIBP. WE DETERMINED THAT WELL BORE DIAGRAM IN FILES WAS CORRECT, AND THAT BRIDGE PLUGS WERE SET BY OPERATOR AT 8550' AND, THEREFORE, ANOTHER CIBP WAS PROBABLY SET AT 9700', AS INDICATED--RELEASE WIRE LINE TRUCK. RIH WITH 7" RETAINER AND SET AT 7996, SET AND ESTABLISH INJECTION RATE. INJECTION RATE WITH CEMENT INTO PERFS BEGAN AT 1.4 BPM AT 1150 PSI AND ENDED AT .90 BPM AT 1800 PSI. PLUG #3 WAS AN ADDITIONAL PLUG TO PROTECT MODERATE SALINE WATER ZONE. APPROXIMATELY 200 SACKS CEMENT WAS USED TO FILL ALL ANNULI TO SURFACE (STAYED FULL). PHOTOS ATTACHED TO DOCUMENT PROGRESS OF P&A.